

FIG.1

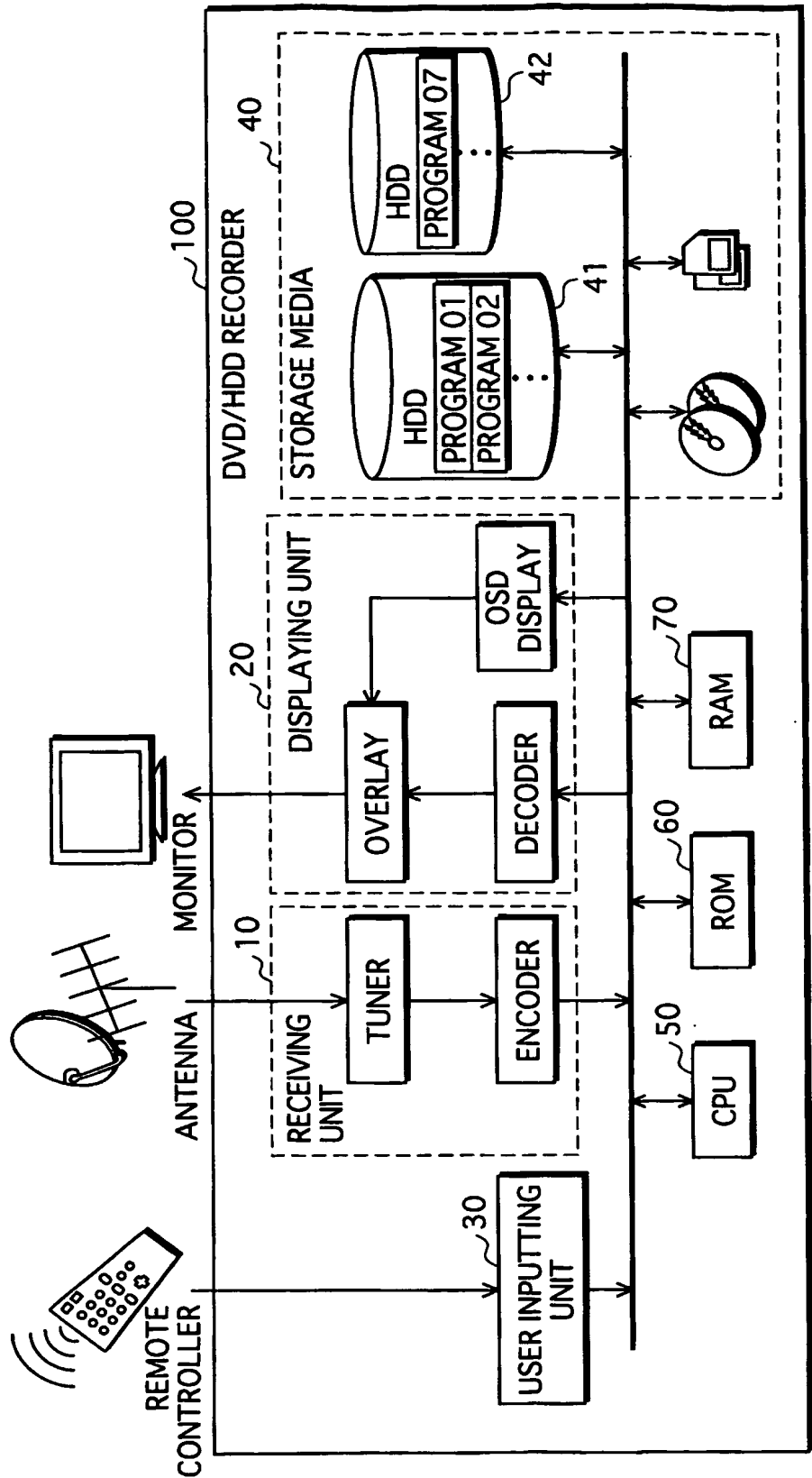


FIG.2

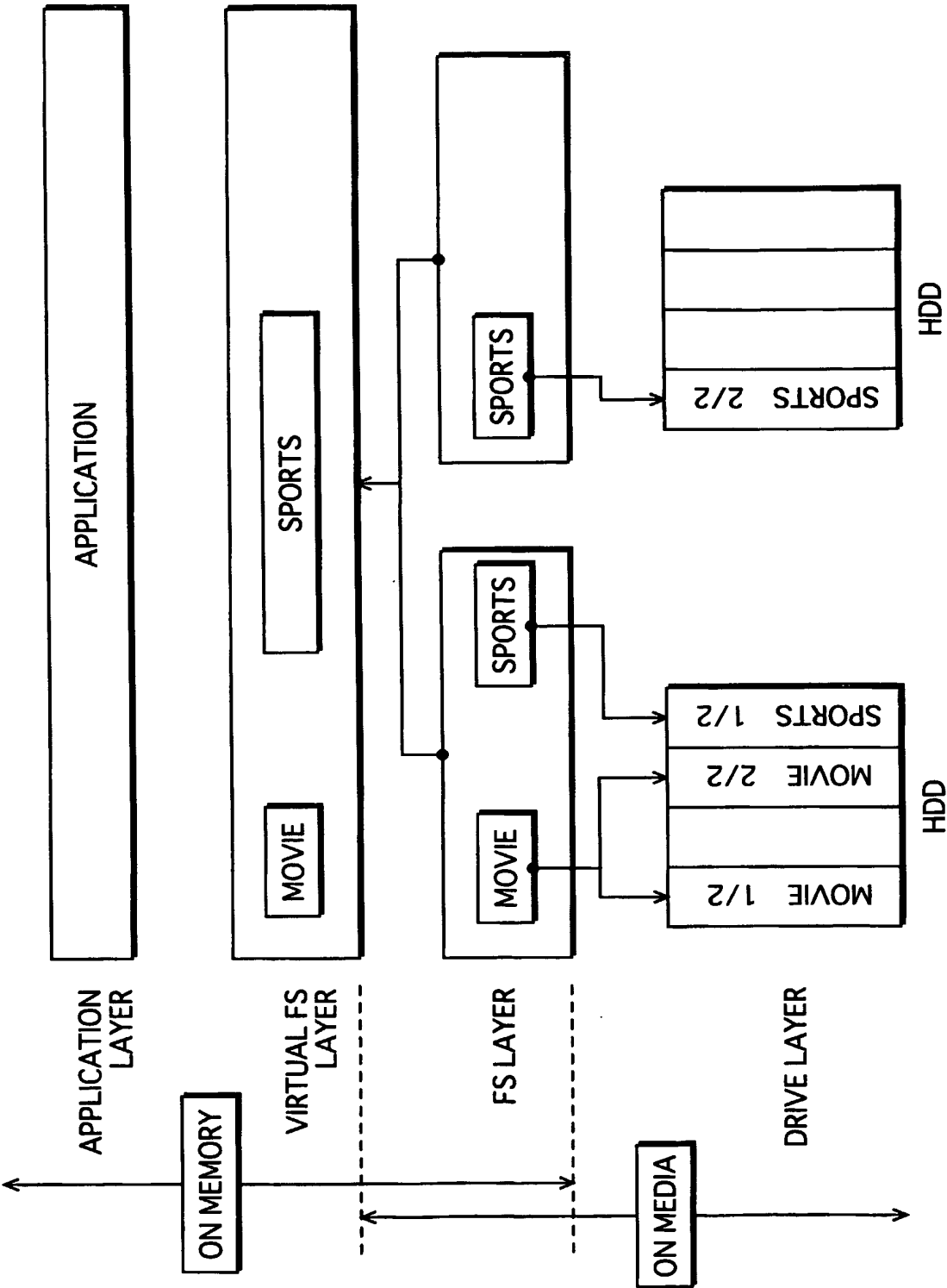


FIG. 3

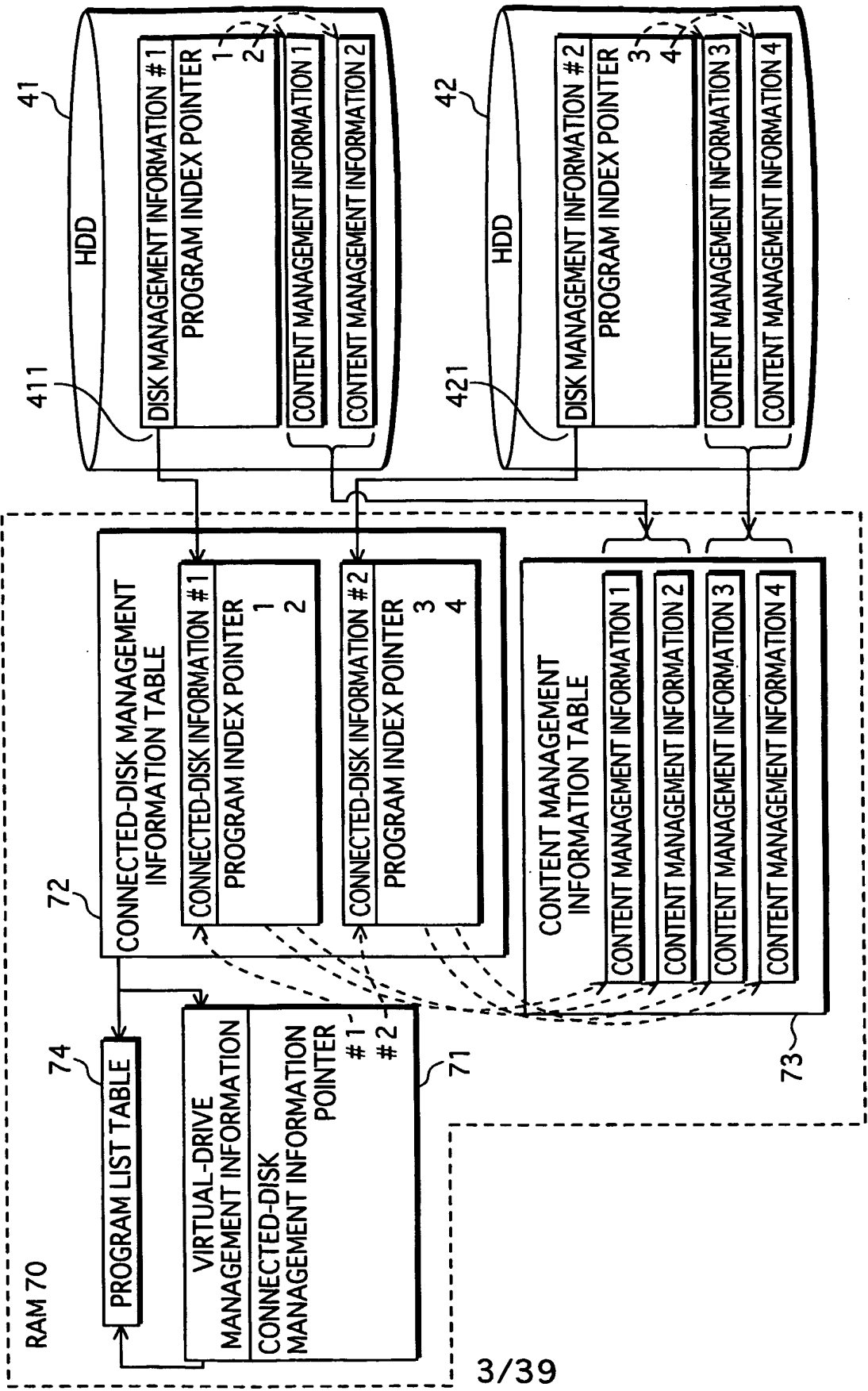


FIG.4

411

DISK ID INFORMATION	411a
TABLE LENGTH	411b
CONTENT TOTAL NUMBER	411c
CONTENT PART TOTAL NUMBER	411d
DISK ENTIRE CAPACITY	411e
DISK UNAVAILABLE CAPACITY	411f
DISK AVAILABLE CAPACITY	411g
PROGRAM INDEX POINTER	411h
⋮	

FIG.5

CONTENT ID INFORMATION
TABLE LENGTH
DIVIDE FLAG
REMOVE FLAG
TOTAL DIVISION NUMBER
SEQUENCE NUMBER
RECORDING START POSITION
RECORDING LENGTH
MANAGEMENT-PURPOSE INFORMATION

FIG.6

~71	
TABLE LENGTH	~71a
DISK TOTAL NUMBER	~71b
PROGRAM TOTAL NUMBER	~71c
VIRTUALLY-ONE-PROGRAM TOTAL NUMBER	~71d
VIRTUAL-DRIVE ENTIRE CAPACITY	~71e
VIRTUAL-DRIVE UNAVAILABLE CAPACITY	~71f
VIRTUAL-DRIVE AVAILABLE CAPACITY	~71g
CONNECTED-DISK MANAGEMENT INFORMATION POINTER	~71h
⋮	

FIG.7

72	72a	72b	72c	72d	72e	72f	72g	72h
	DISK ID INFORMATION	TABLE LENGTH	CONTENT TOTAL NUMBER	CONTENT PART TOTAL NUMBER	DISK ENTIRE CAPACITY	DISK UNAVAILABLE CAPACITY	DISK AVAILABLE CAPACITY	PROGRAM INDEX POINTER ...
	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.

FIG.8

73	73a	73b	73c	73d	73e	73f	73g	73h	73i
PROGRAM ID INFORMATION		TABLE LENGTH	DIVIDE FLAG	REMOVE FLAG	TOTAL DIVISION NUMBER	SEQUENCE NUMBER	RECORDING START POSITION	RECORDING LENGTH	MANAGEMENT -PURPOSE INFORMATION
.	.	.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.	.	.

FIG.9

74		74a	74b	74c	74d	
PROGRAM NAME	PROGRAM ID INFORMATION		VIRTUALLY-ONE-PROGRAM FLAG	STORAGE DISK INFORMATION		
				FIRST DISK ID INFORMATION	SECOND DISK ID INFORMATION	
	.			.	.	
	.			.	.	
	.			.	.	
	.			.	.	



FIG.10

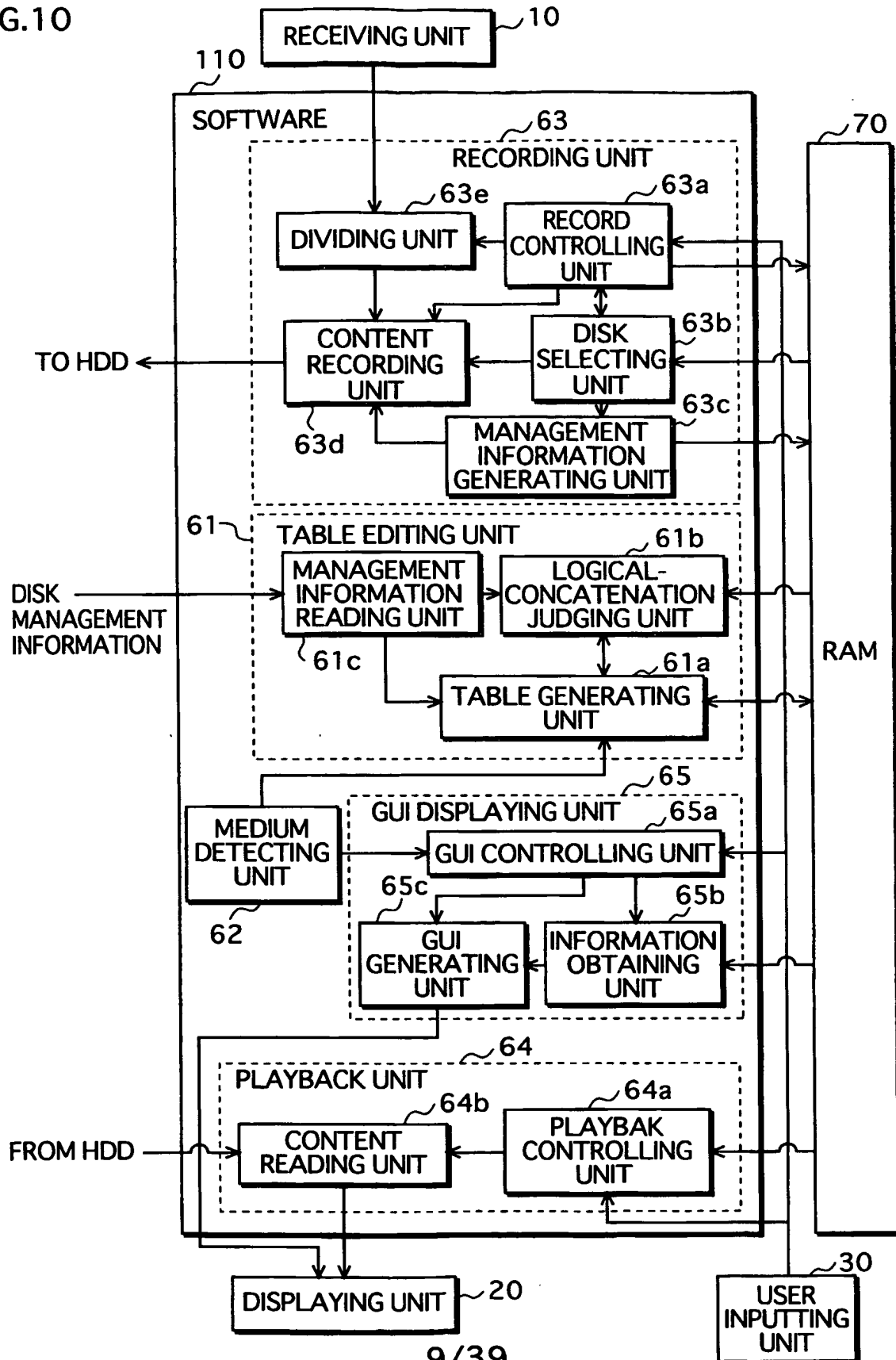


FIG.11

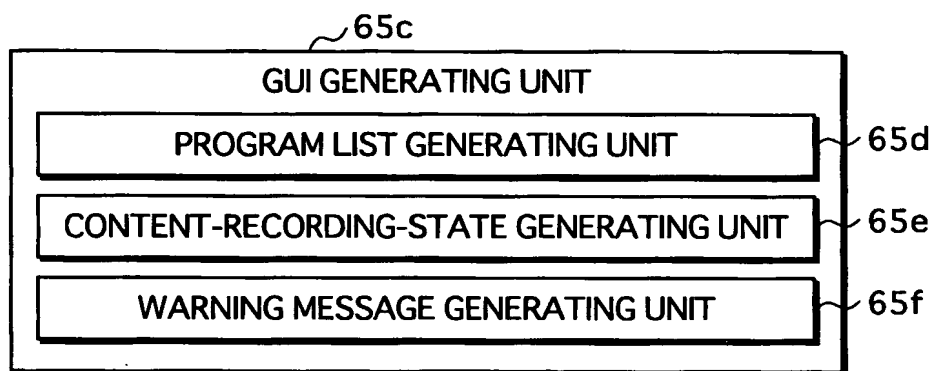


FIG.12

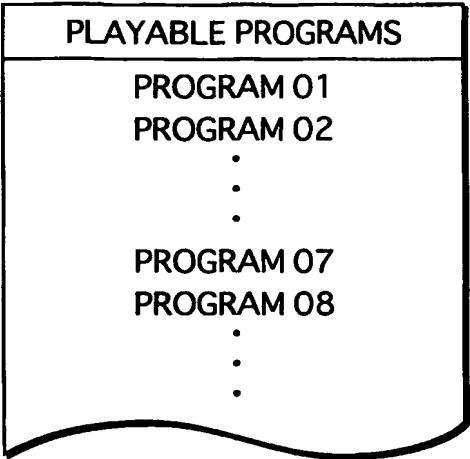


FIG.13

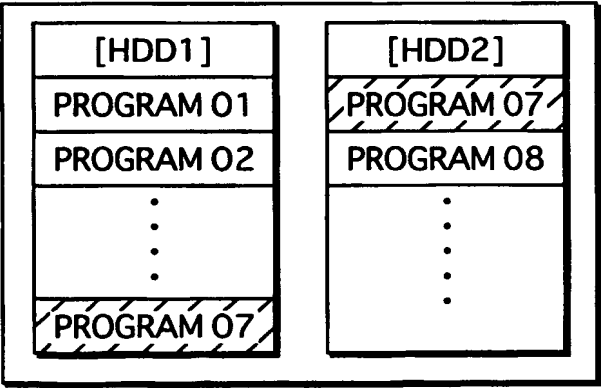



FIG.14



WARNING FOR HDD REMOVAL

THIS HDD STORES THESE PROGRAMS.  
THESE PROGRAMS ARE NO LONGER PLAYABLE  
AFTER HDD REMOVAL.

TITLE	RECORDING DATE AND TIME	PLAYBACK TIME
PROGRAM 07	2002/10/10	1:30
PROGRAM 08		

OK

FIG.15

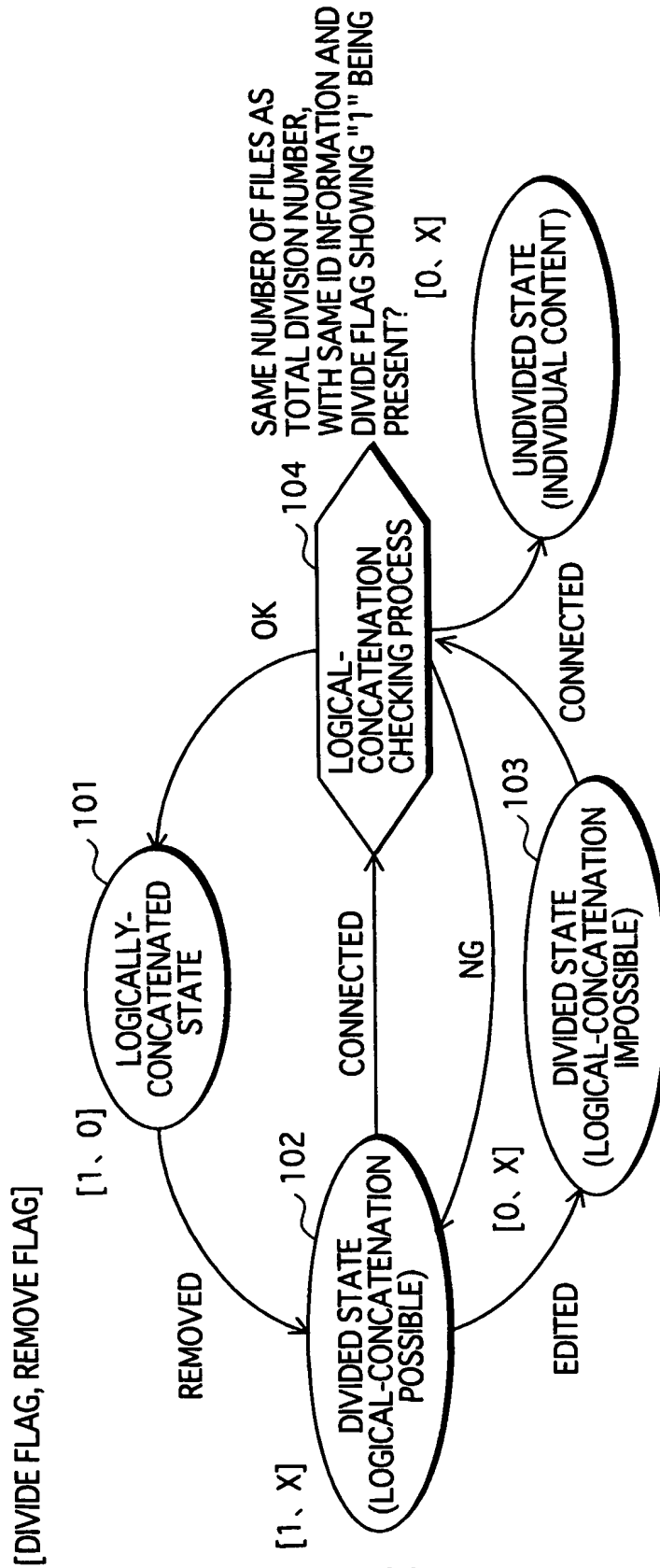


FIG.16

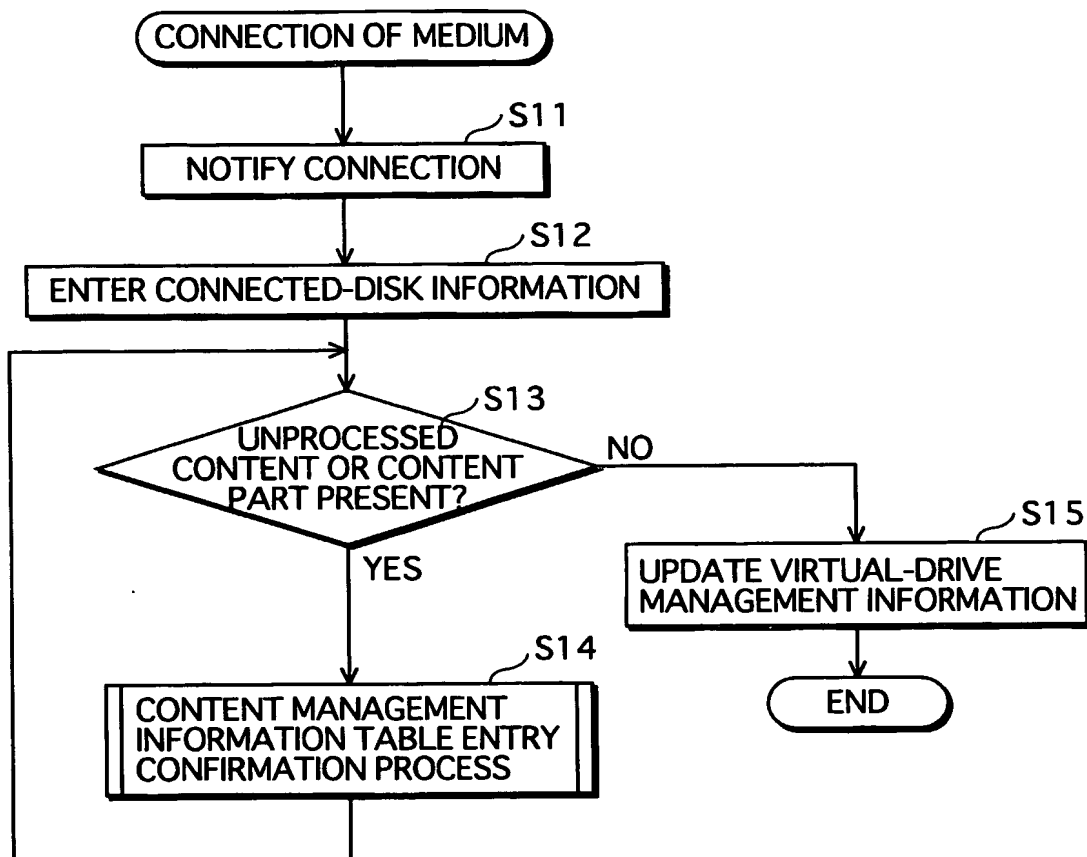


FIG.17

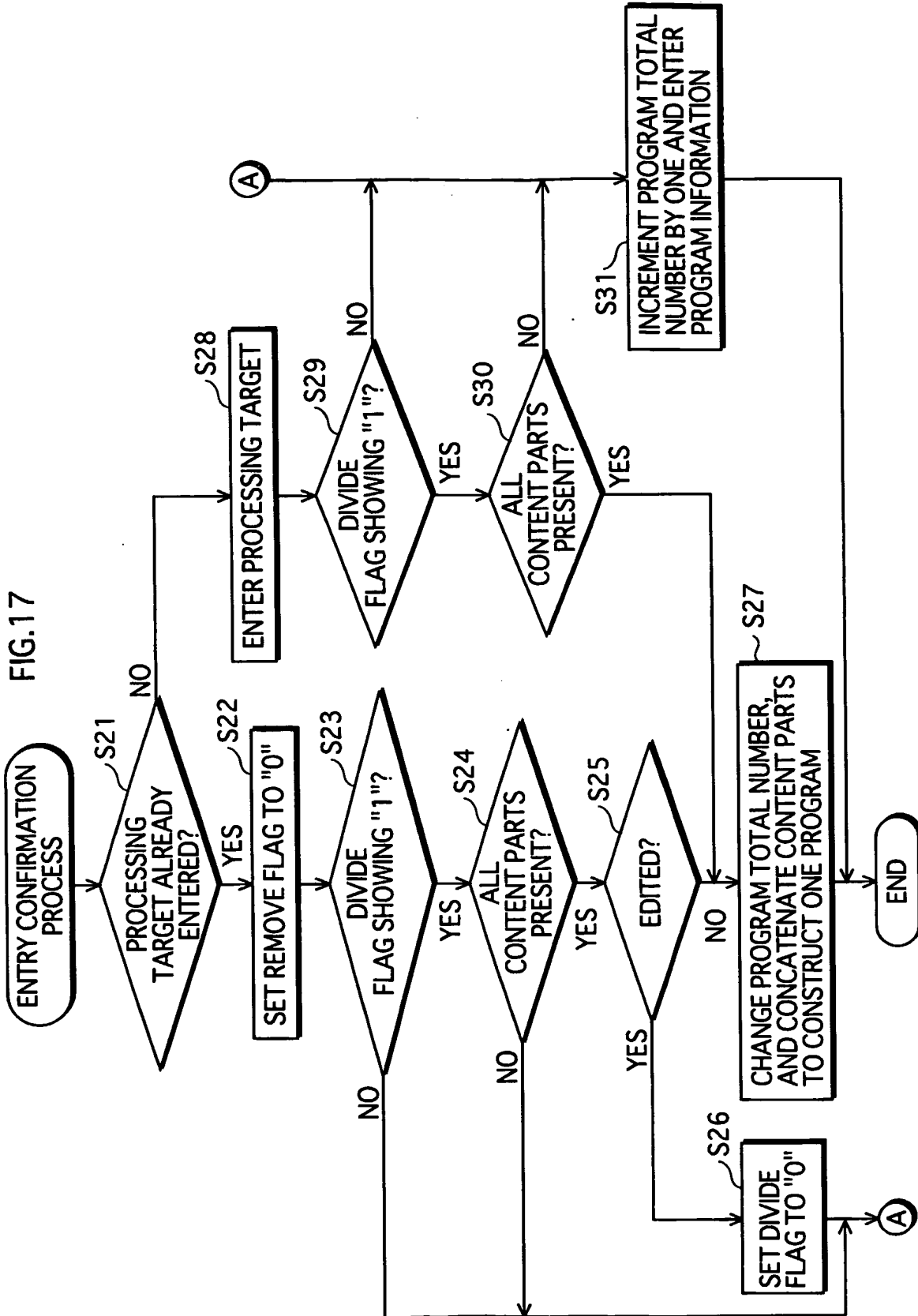


FIG. 18

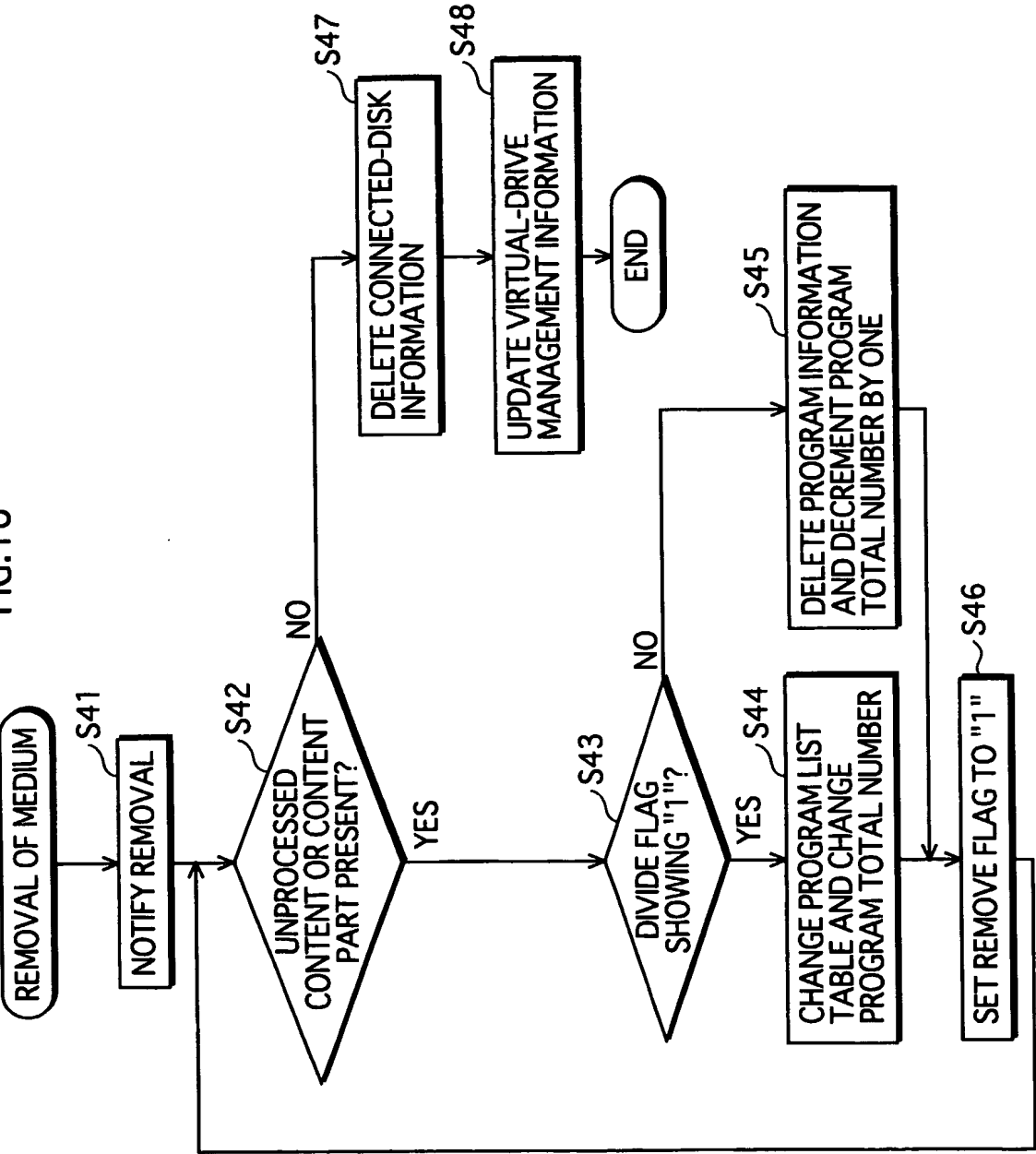




FIG.19

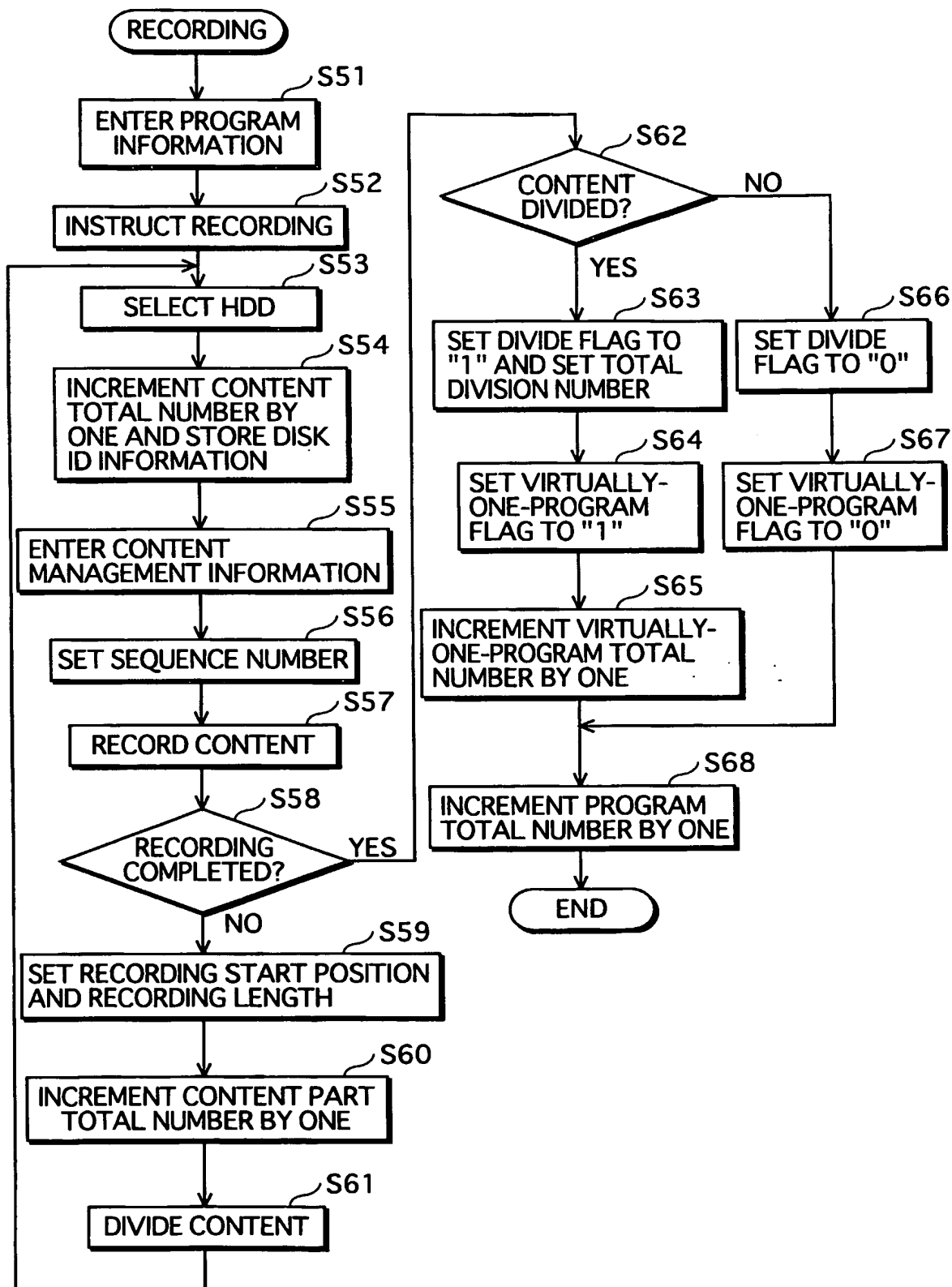


FIG.20

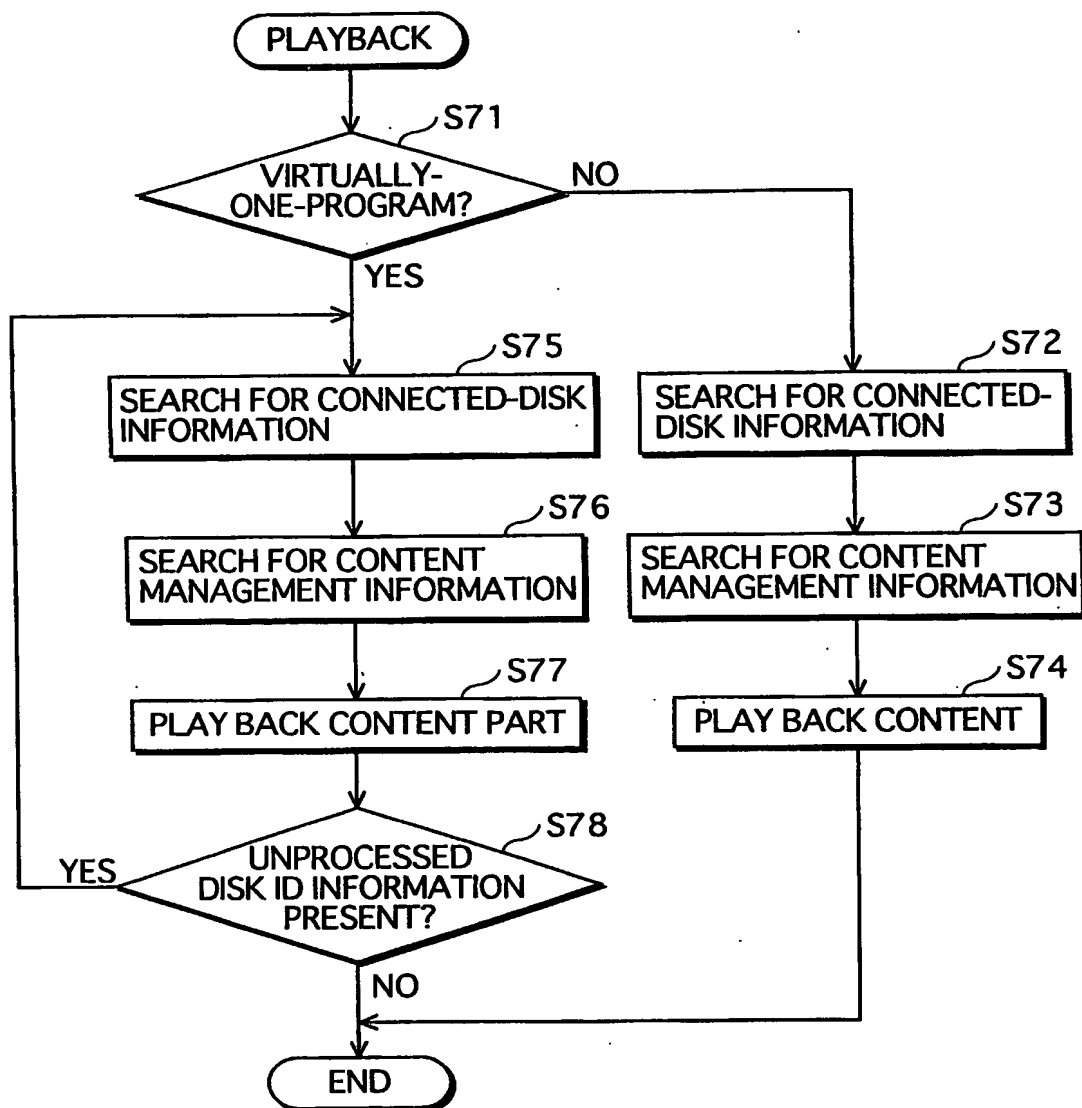


FIG.21

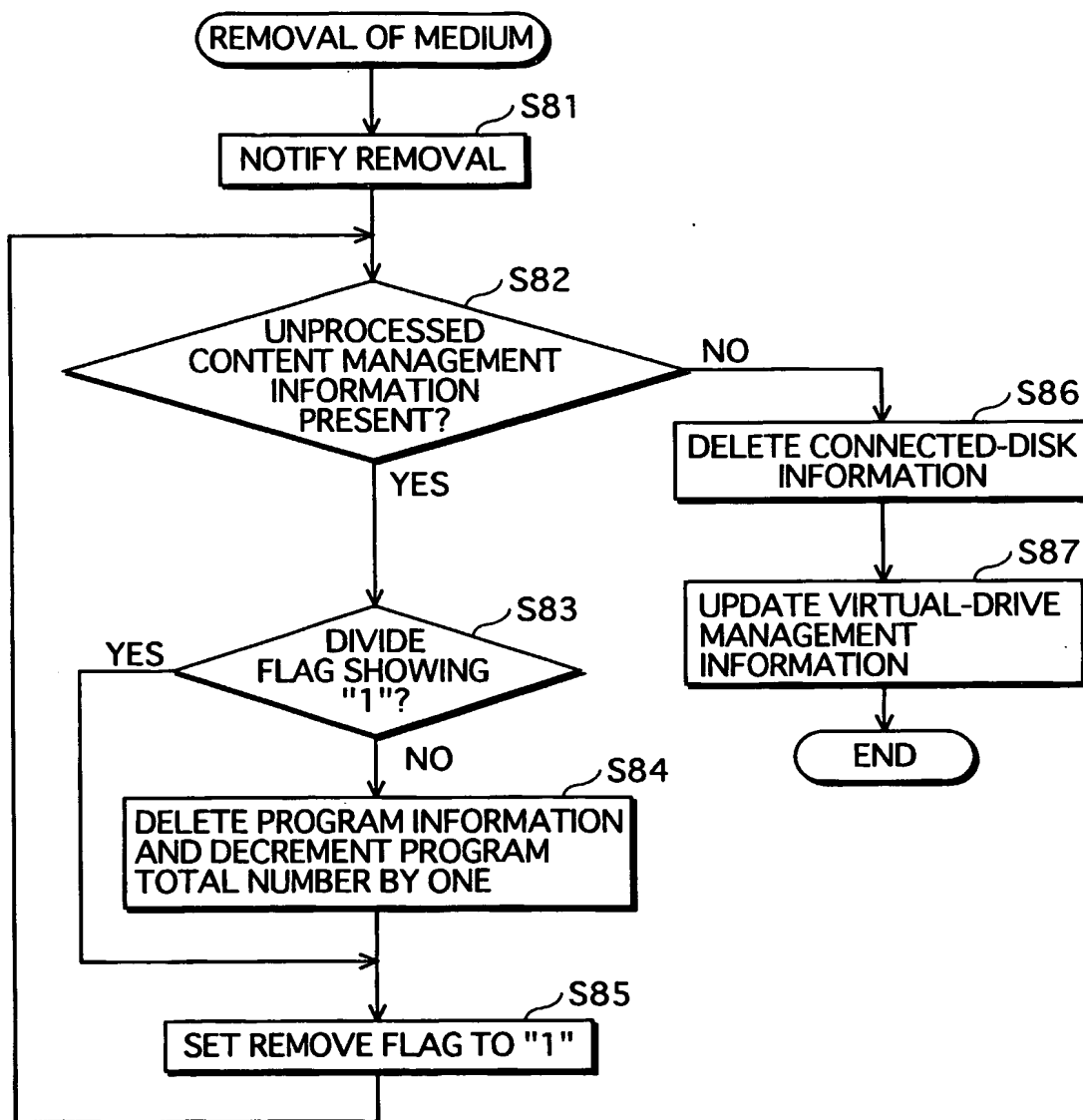


FIG.22

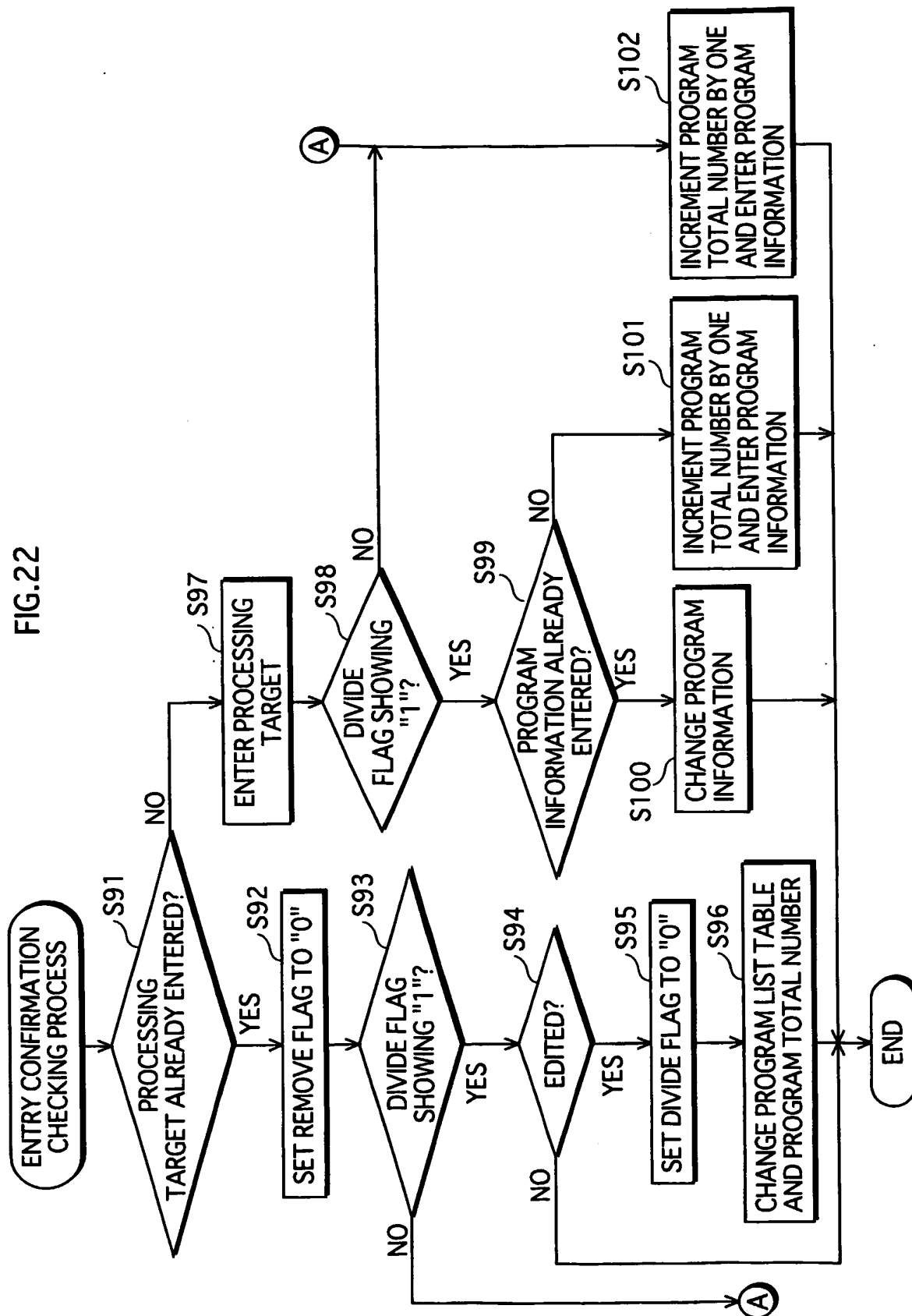


FIG.23

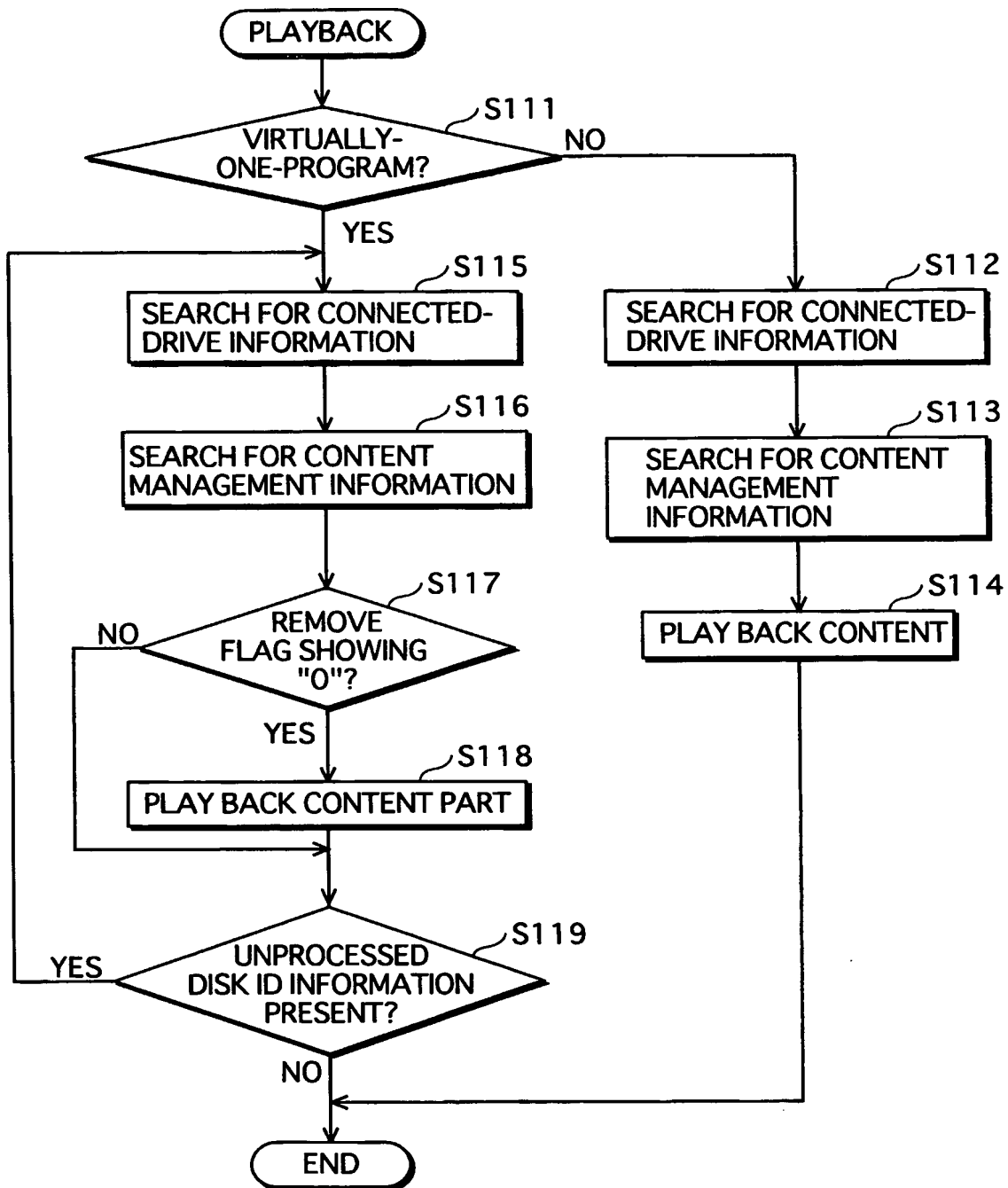


FIG.24

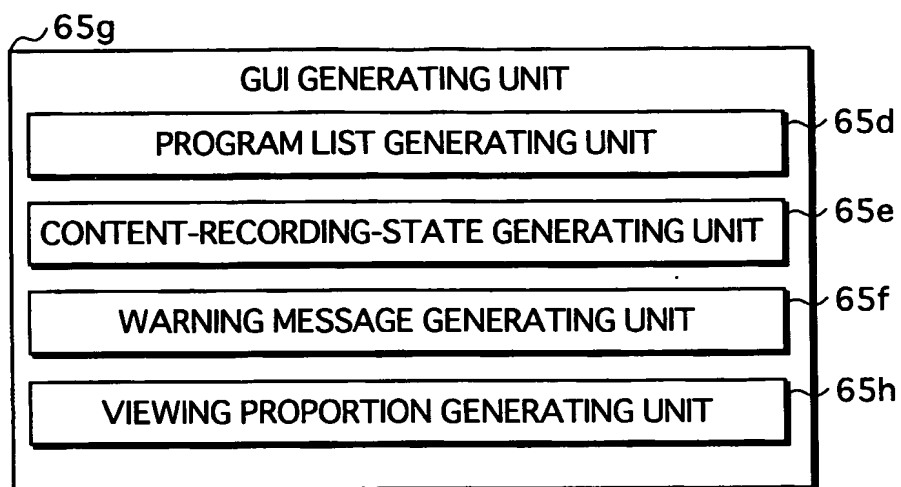
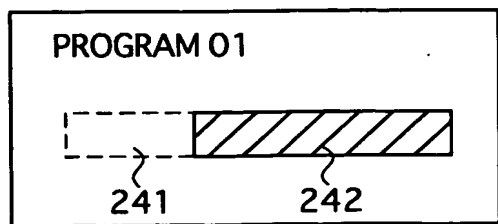


FIG.25



The diagram illustrates the internal architecture of a recording/reproduction system 20. It features a central processing area with various functional units. At the top, a RECEIVING UNIT 10 feeds into a SOFTWARE 66 block. A PRESET CONTROLLING UNIT 67 is also connected to the software. The RECORDING UNIT 63a is a central component, containing a RECORD CONTROLLING UNIT 63c, a DIVIDING UNIT 63e, and a CONTENT RECORDING UNIT 63d. It is linked to a DISK SELECTING UNIT 66f, which includes an AVAILABLE CAPACITY COMPARING UNIT 66g and a REGULAR RECORDING DISK CHECKING UNIT. A MANAGEMENT INFORMATION GENERATING UNIT 69 is connected to the RECORDING UNIT. Below this, an AVAILABLE AREA JUDGING UNIT 68 and an AVAILABLE AREA ADJUSTING UNIT are shown. The TABLE EDITING UNIT 61 contains a MANAGEMENT INFORMATION READING UNIT 61b, a LOGICAL-CONCATENATION JUDGING UNIT 61a, and a TABLE GENERATING UNIT 61c. A MEDIUM DETECTING UNIT 62 is also present. The GUI DISPLAYING UNIT 65 includes a GUI CONTROLLING UNIT 65a, a GUI GENERATING UNIT 65c, and an INFORMATION OBTAINING UNIT 65b. A PLAYBACK UNIT 64 at the bottom contains a CONTENT READING UNIT 64b and a PLAYBACK CONTROLLING UNIT 64a. The system is connected to a RAM 70 and includes a DISPLAYING UNIT 20 and a USER INPUTTING UNIT 30.

FIG.27

PRESET-RECORDING ID	RECORDING START DATE AND TIME	RECORDING END DATE AND TIME	RECORDING CH
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FIG.28

75	75a	75b	75c	75d	75e	75f	75g	75h	75i	75j
PROGRAM ID INFORMATION		TABLE LENGTH	DIVIDE FLAG	REMOVE FLAG	TOTAL DIVISION NUMBER	SEQUENCE NUMBER	RECORDING START POSITION	RECORDING LENGTH	MANAGEMENT-PURPOSE INFORMATION	PRESET-RECORDING ID
.		.	.	.	.	.	.	.	.	.
.		.	.	.	.	.	.	.	.	.
.		.	.	.	.	.	.	.	.	.
.		.	.	.	.	.	.	.	.	.
.		.	.	.	.	.	.	.	.	.
.		.	.	.	.	.	.	.	.	.

FIG.29

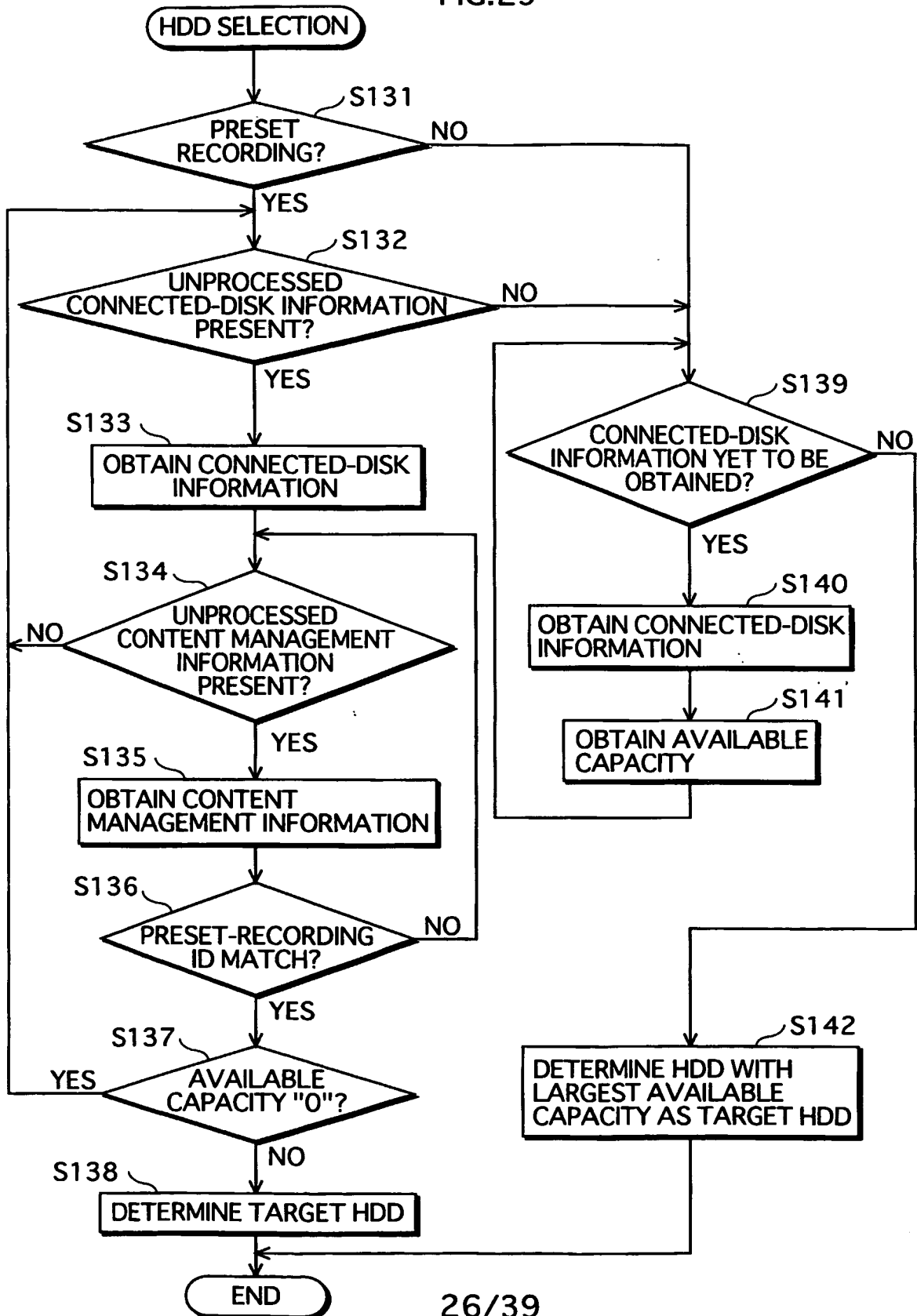


FIG.30

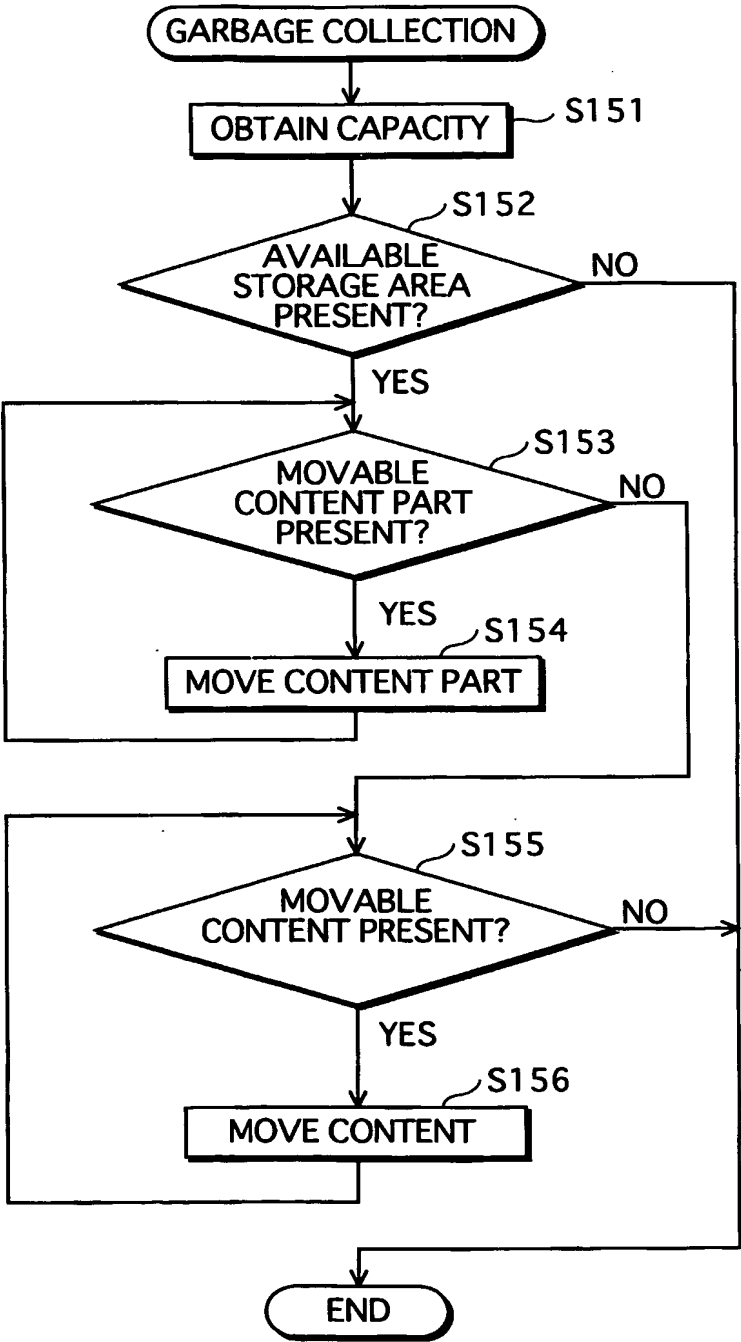


FIG.31

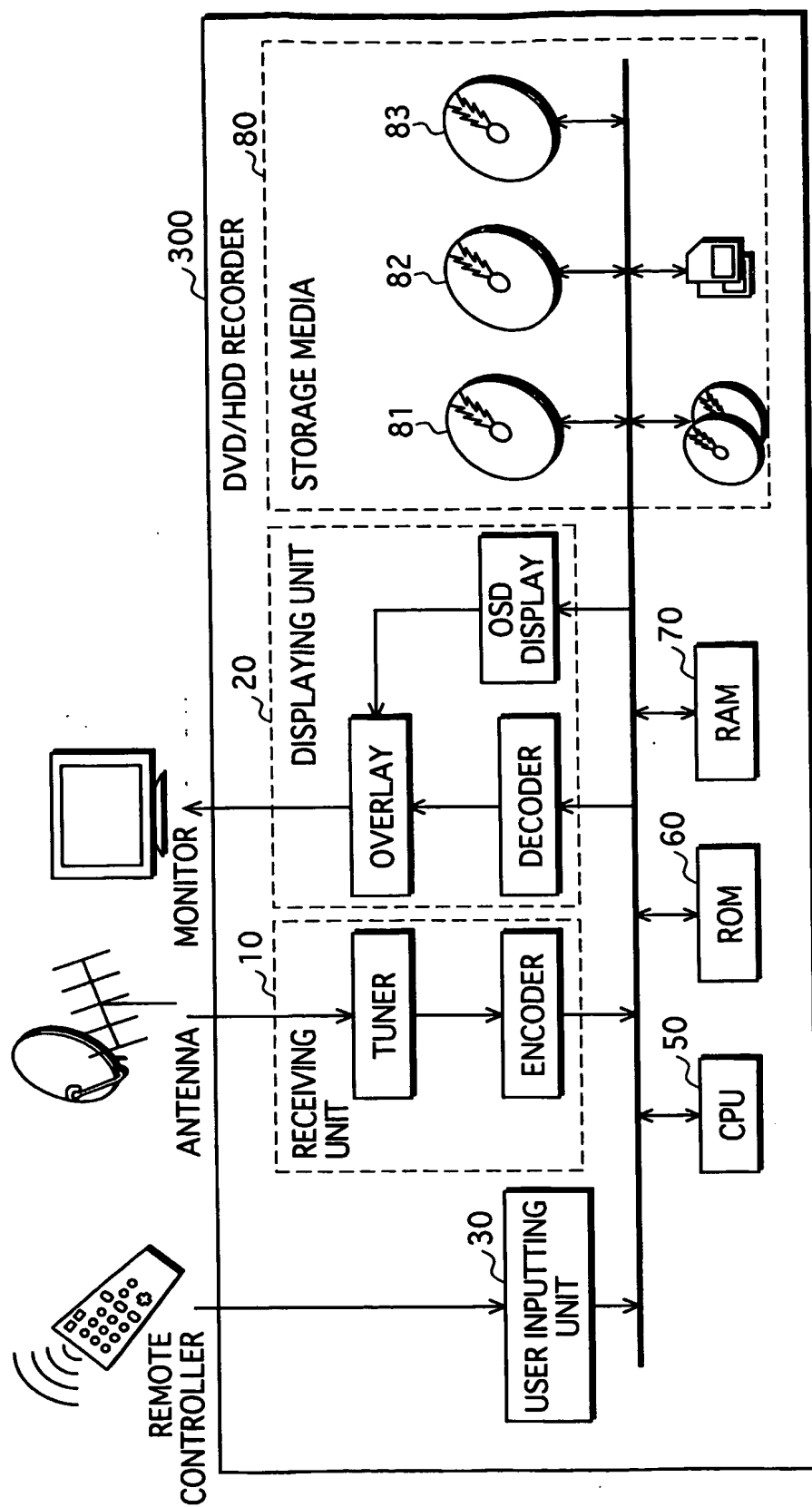


FIG.32

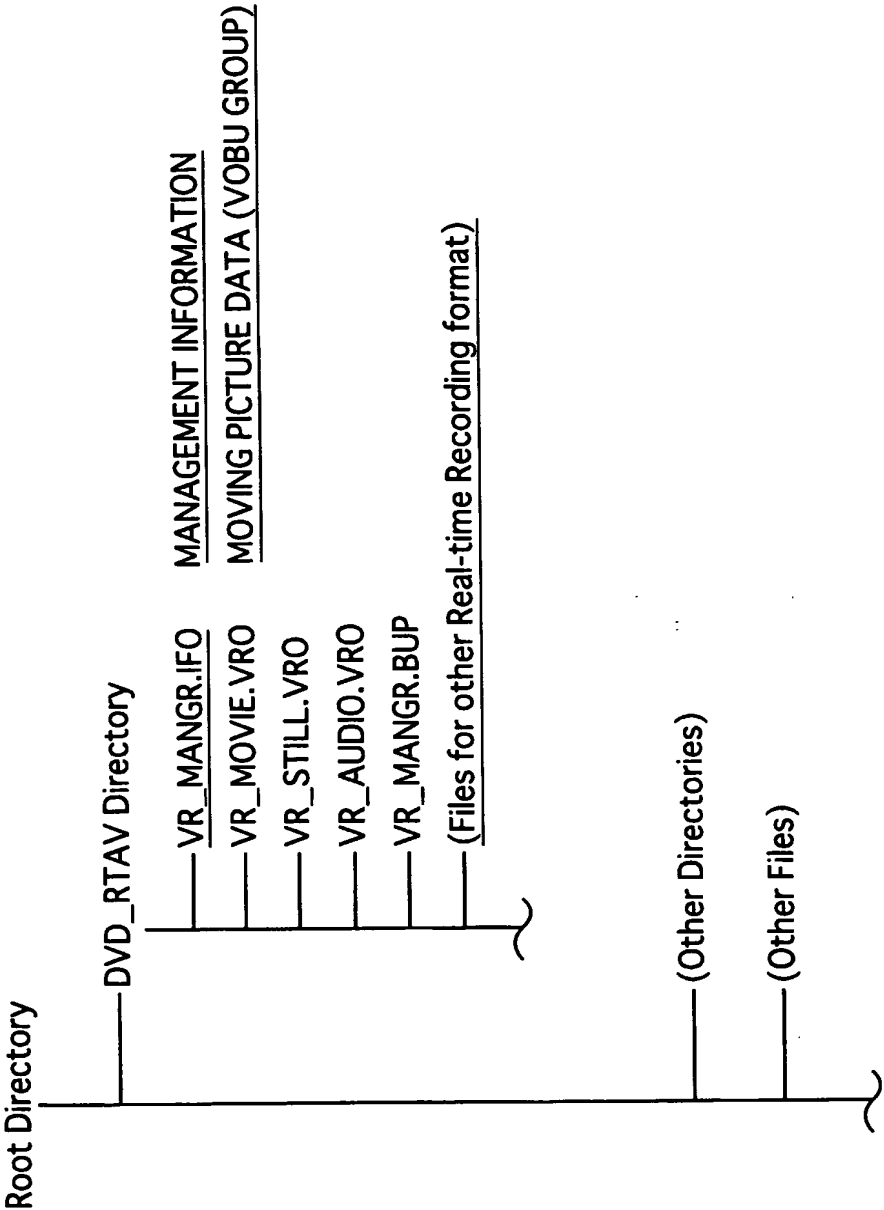


FIG.33

Original PGC

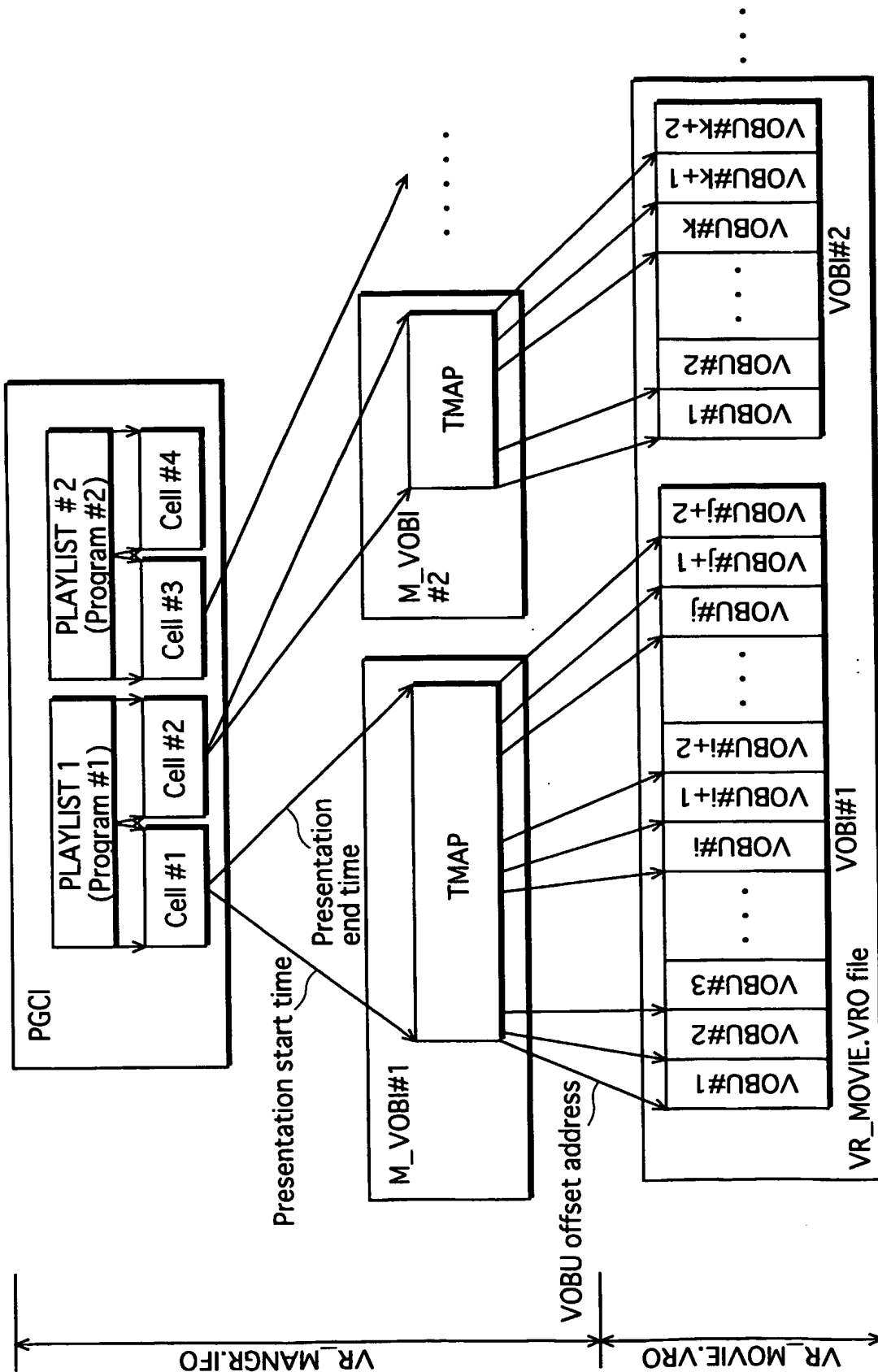


FIG.34

VR MANGR.IFO

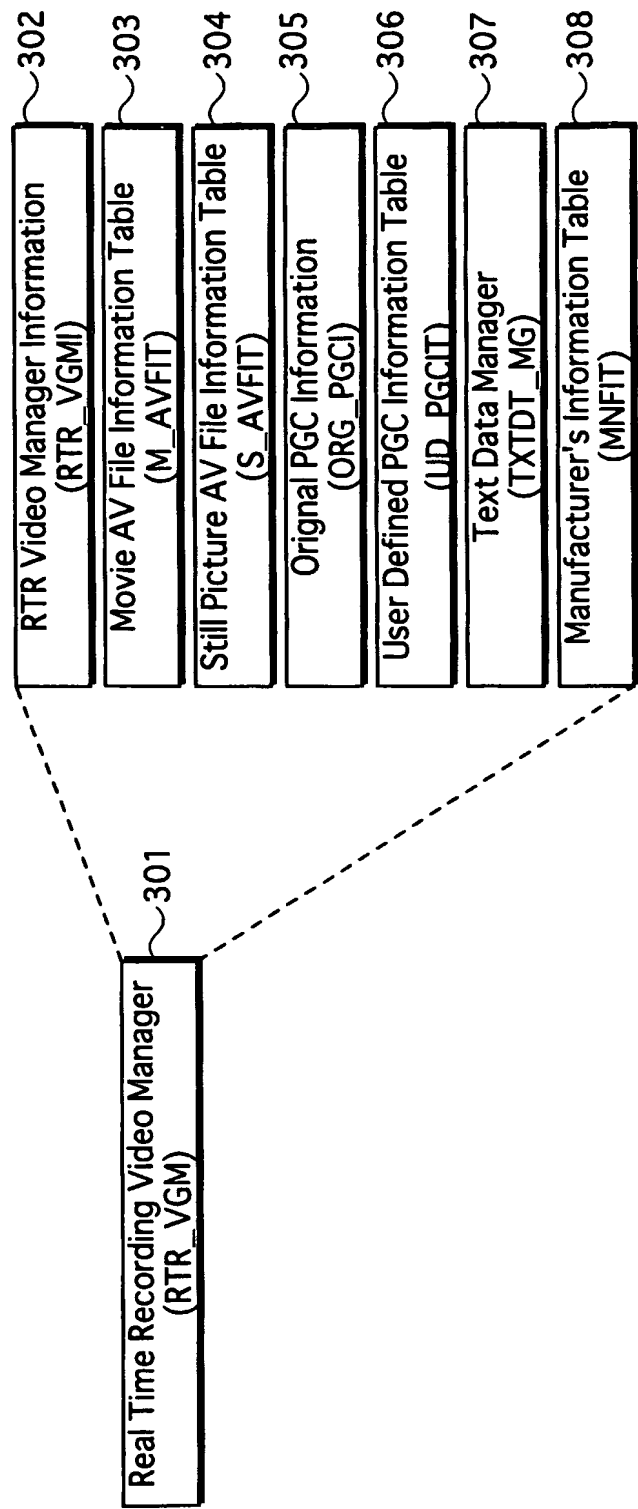


FIG.35A

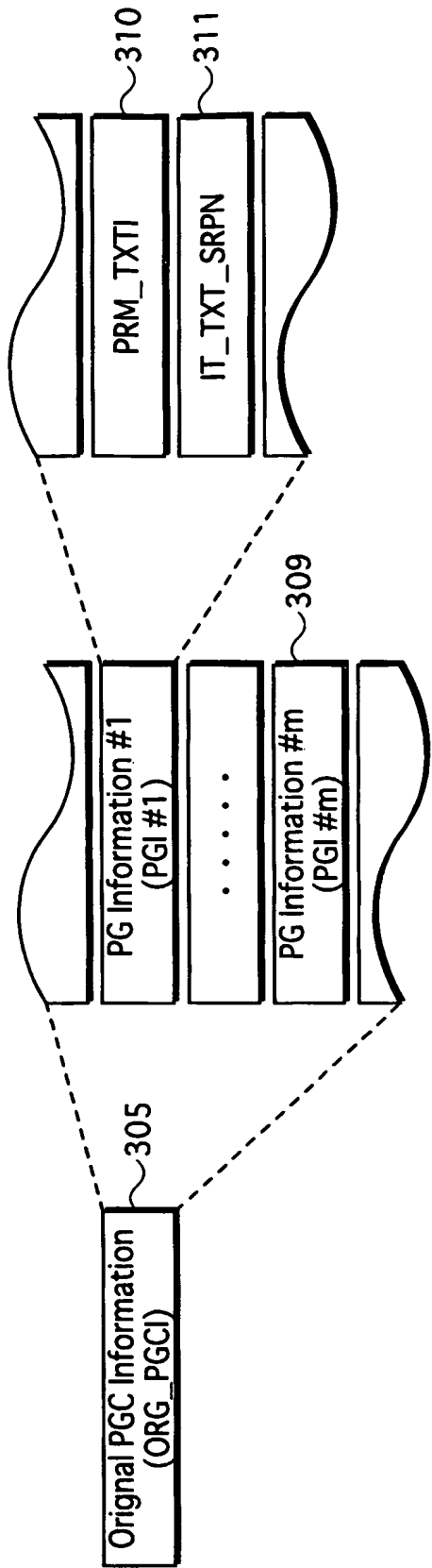
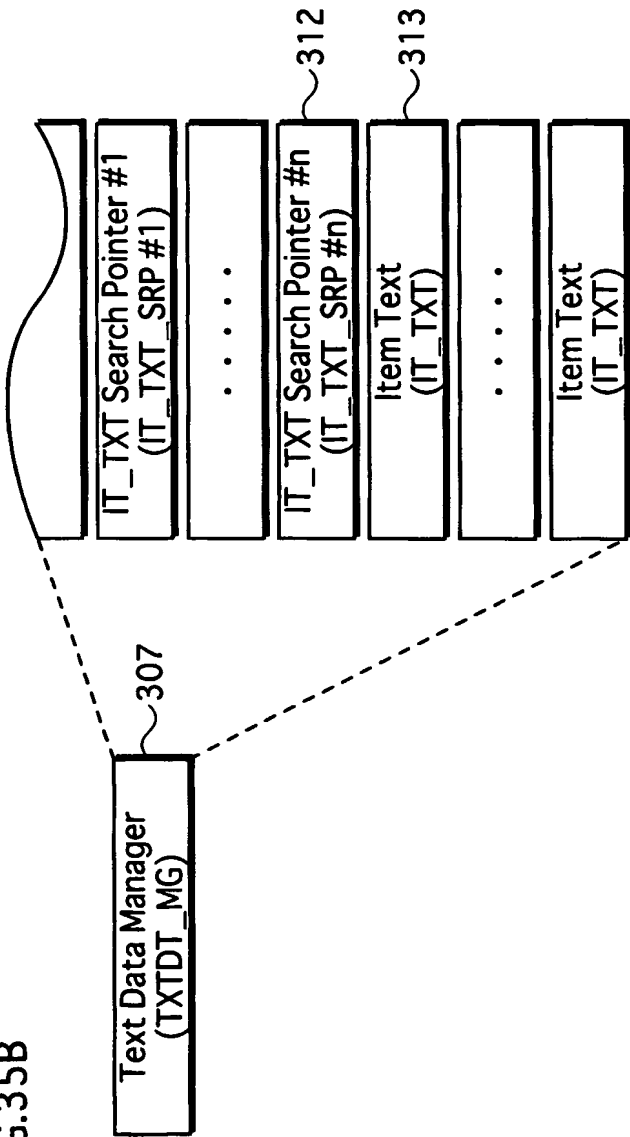


FIG.35B





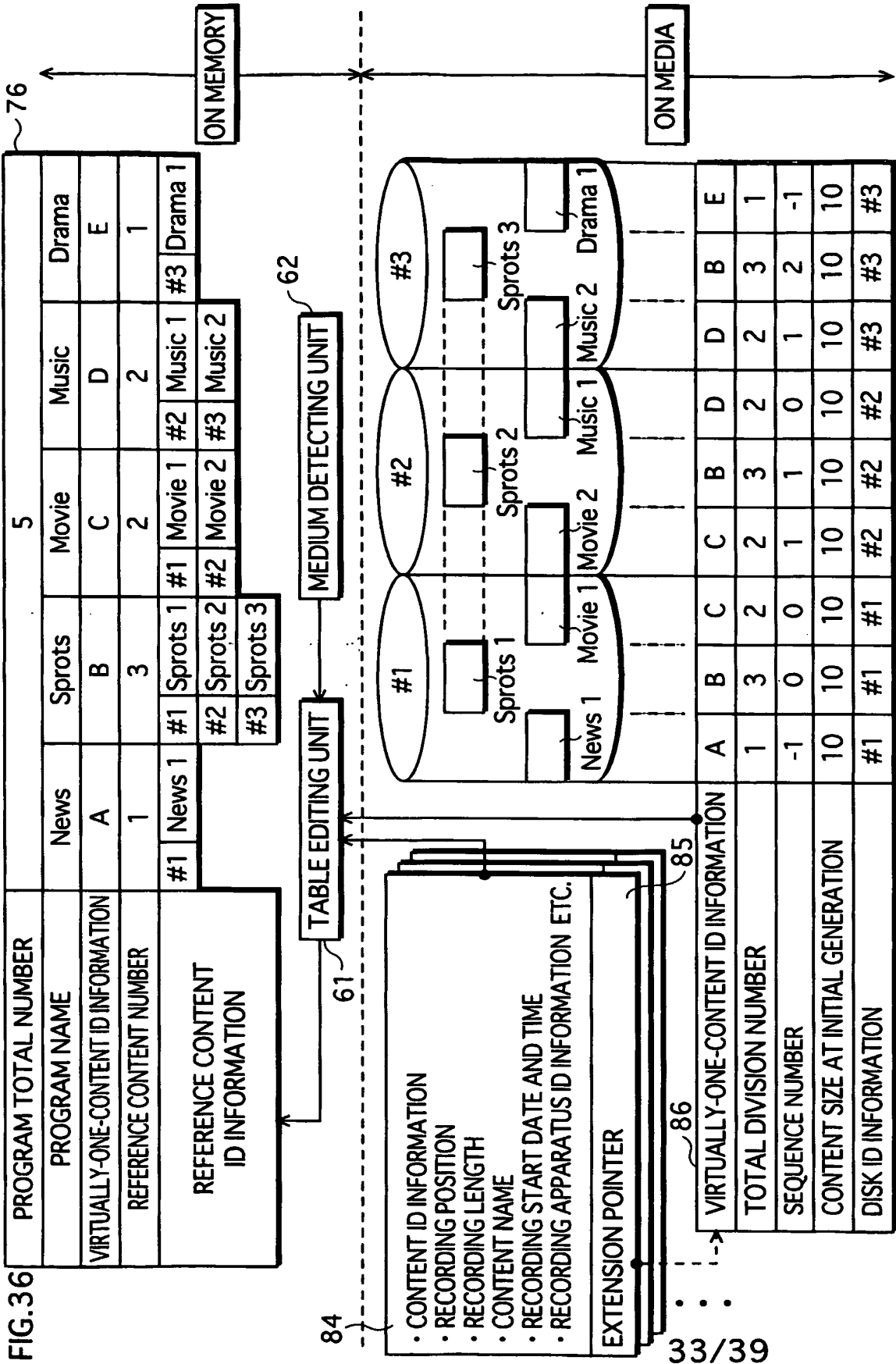


FIG.37

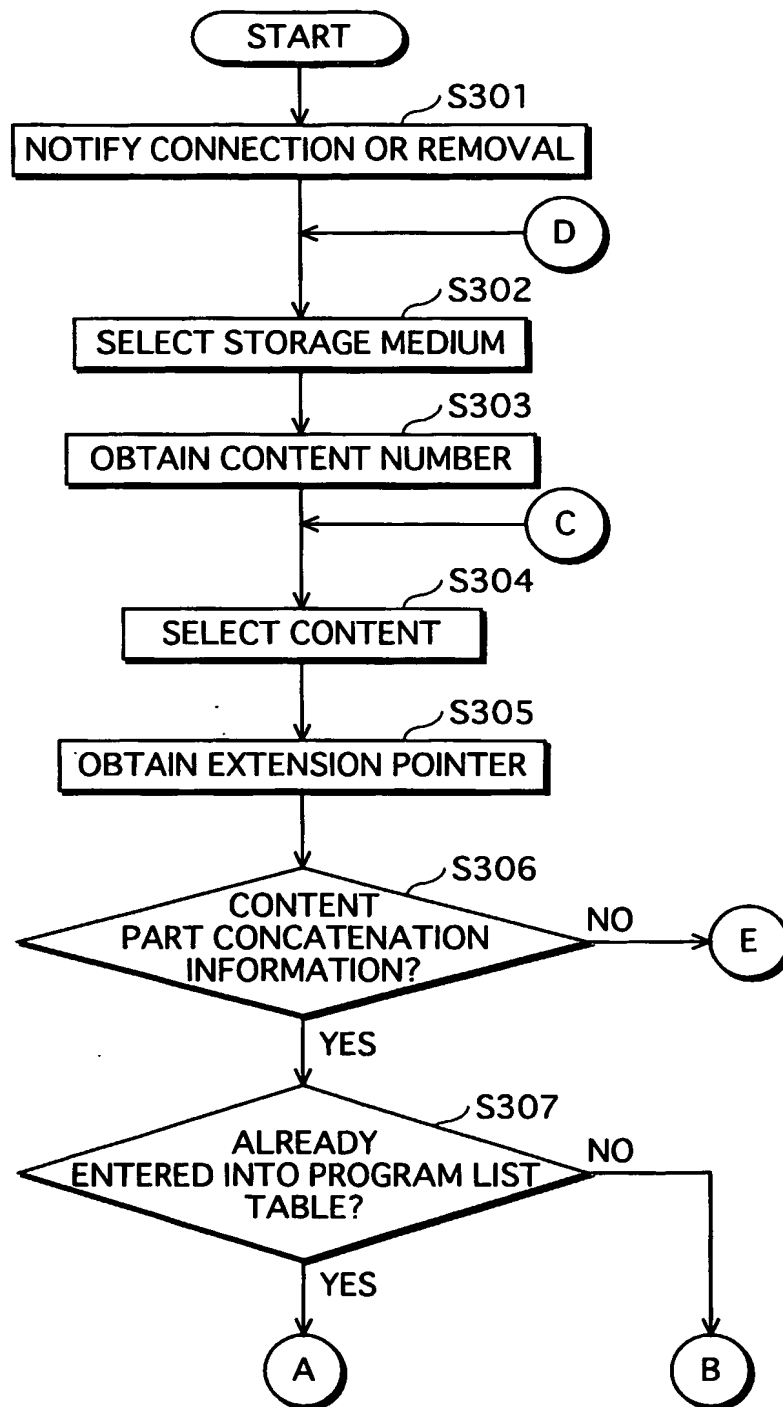
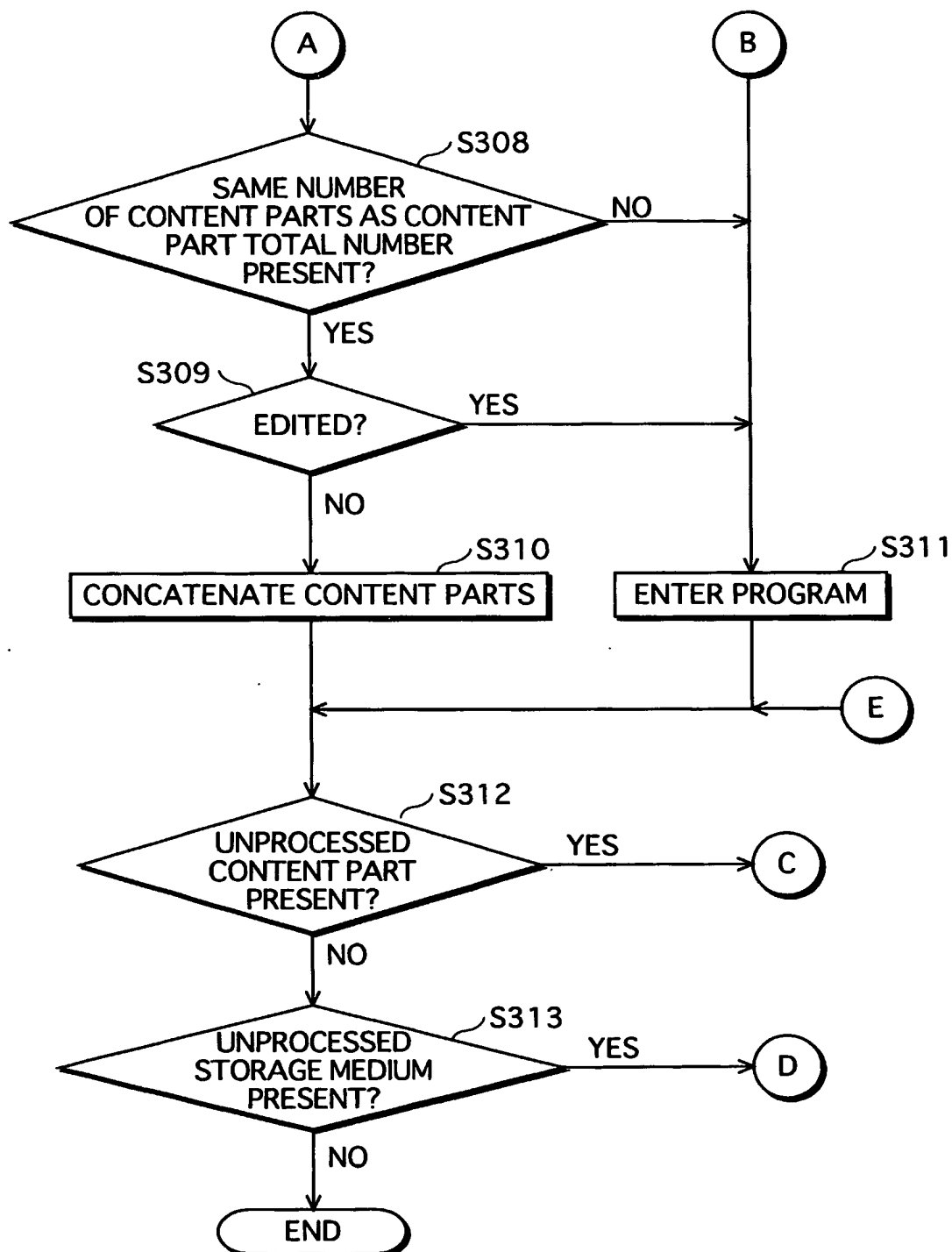


FIG.38



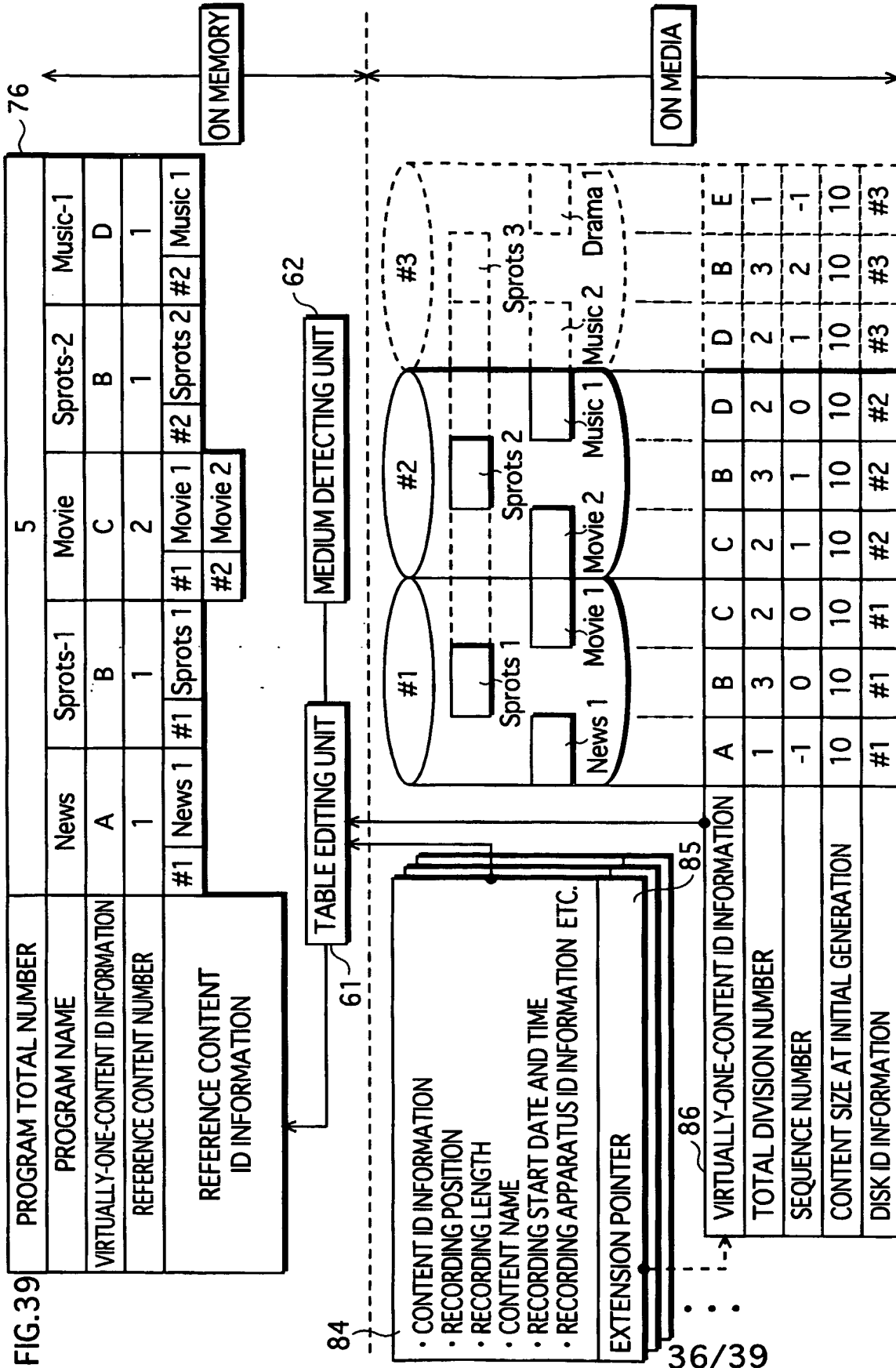
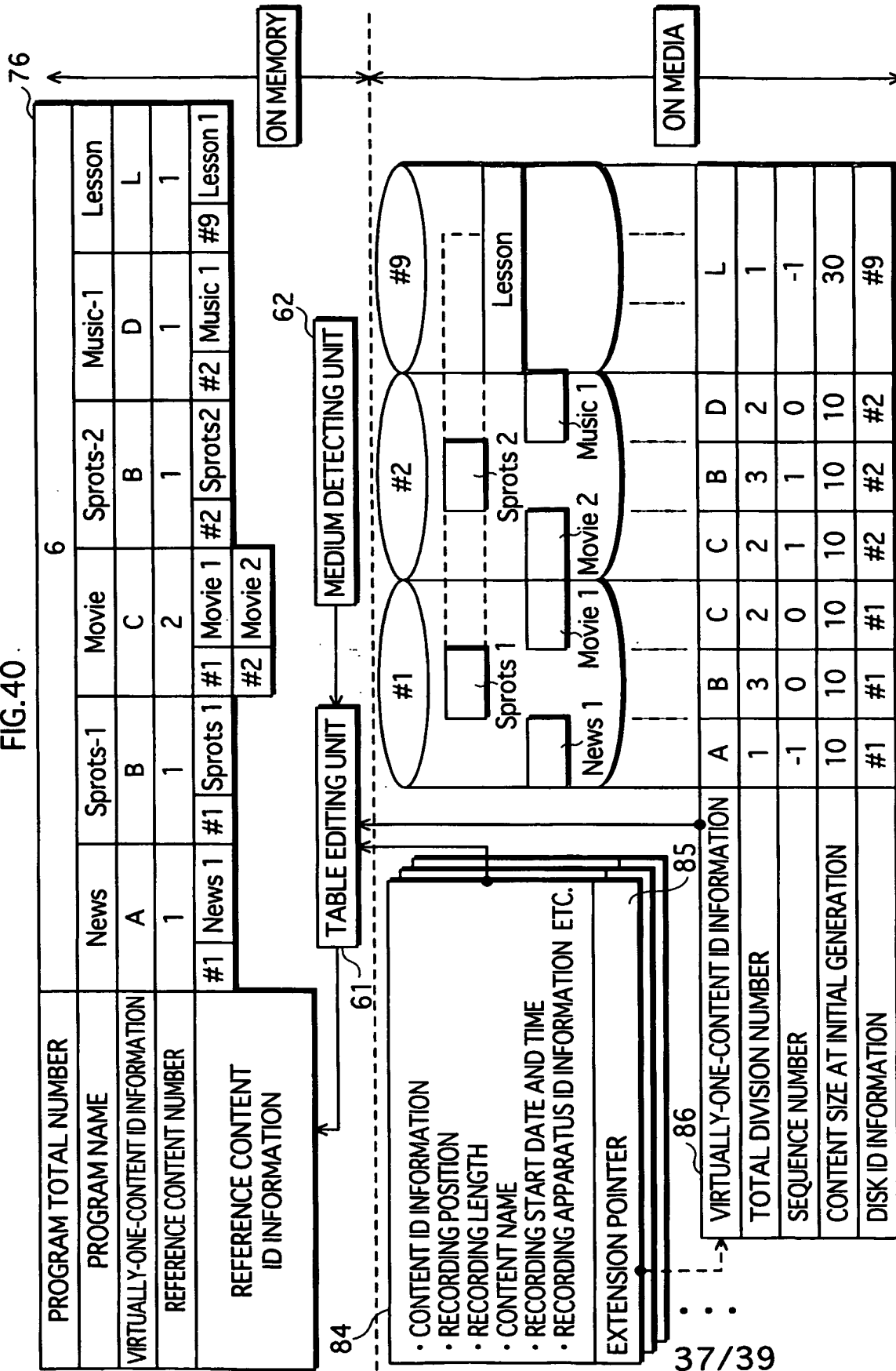


FIG. 40



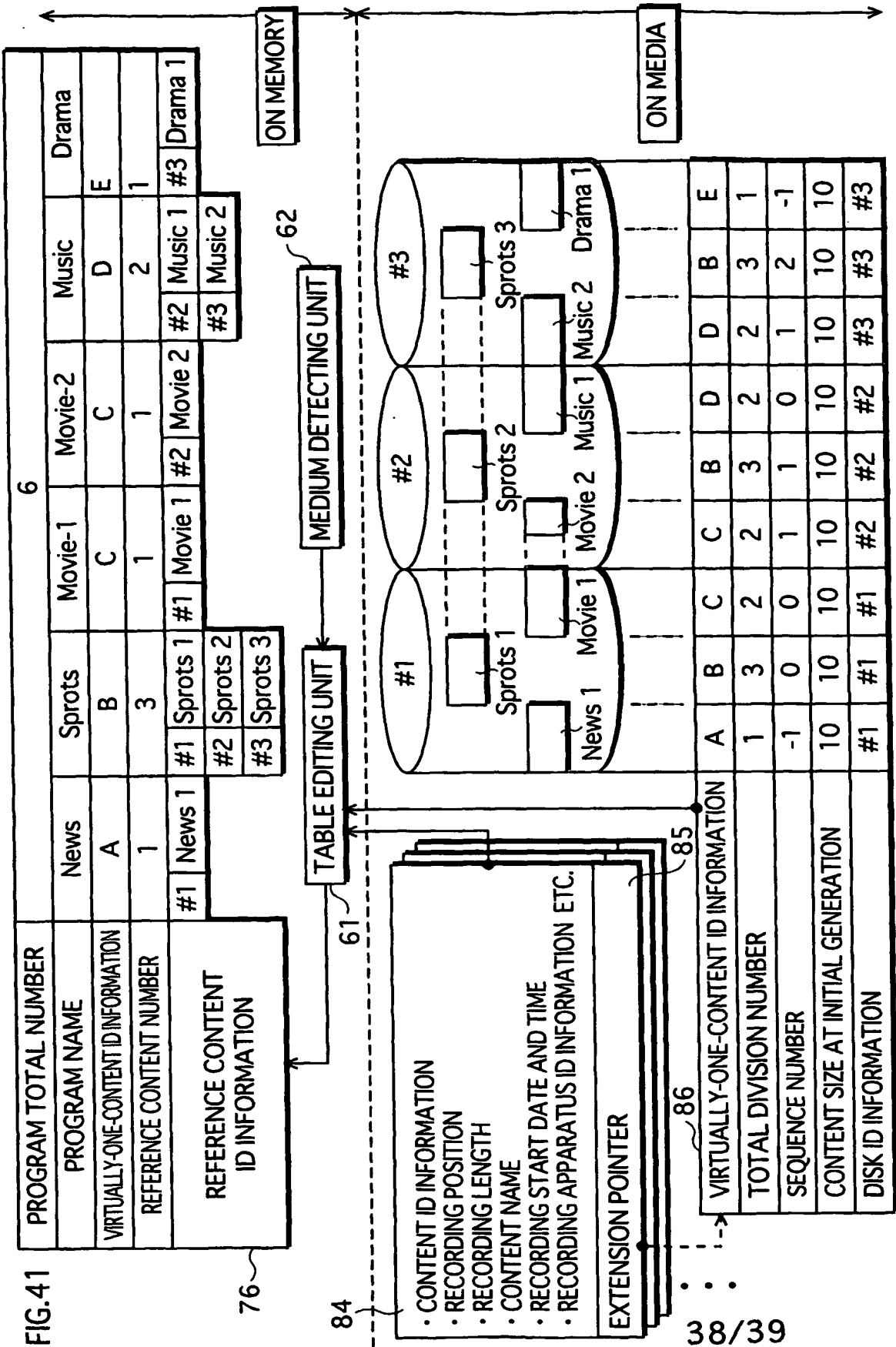


FIG. 42

